

# Hartwick Pines State Park

## The Month of September 2007



### MONDAY

#### OLD GROWTH TOURS

11:00AM & 1:00PM

How old are these trees? What is meant by Old Growth? What kinds of animals live in an Old Growth Forest?



These questions and many more will be answered on the Old Growth Trail Tours. This guided tour will help you to better understand the ecology of Michigan's forestland. Duration of the tour is 1 to 1 ½ hours.

### TUESDAY

#### OLD GROWTH TOURS

3:00PM

Hartwick Pines State Park has a wide variety of ecosystems and therefore is home to over 20 species of trees.

Below are some of the more common species you're likely to see; which ones can you find?

#### Conifers

Eastern White Pine  
Eastern Hemlock  
Red Pine  
Jack Pine  
White Spruce  
Black Spruce  
Balsam Fir  
Tamarack

#### Deciduous

Sugar Maple  
Red Maple  
American Beech  
White Oak  
Northern Red Oak  
Quaking Aspen  
Big-toothed Aspen

### FRIDAY

#### OLD GROWTH TOURS

3:00PM

#### **Where do autumn colors come from?**

There are 3 pigments found in leaves that are involved in autumn color:

Chlorophyll gives leaves their basic green color. Chlorophyll is necessary for photosynthesis; it helps plants change sunlight into sugar/food.

Carotenoids produce yellow, orange and brown colors in such things as corn, carrots, daffodils, rutabagas and bananas.

Anthocyanins can be found in cranberries, apples, plums, concord grapes, blueberries, cherries and strawberries.

*During the summer, chlorophyll is continuously being produced and broken down and leaves appear green.*

*As daylight hours shorten, chlorophyll production slows down, then stops and the chlorophyll is eventually destroyed.*

*The carotenoids and anthocyanins that are present in the leaf are then unmasked and leaves show their "true colors".*

### SATURDAY

#### OLD GROWTH TOURS

11:00AM



#### **BIRDING IN AUTUMN:**

#### **A DISCUSSION ON FALL MIGRATION**

1pm @ Visitor Center Classroom

Spring brings flocks of songbirds back to their nesting sites in northern Michigan. Well the summer is soon over and those same birds need to return to their winter homes. Hartwick Pines' birding expert

Dale Marie spends some time discussing birding in the fall and what you can do to help our feathered friends make it to their southern destination.

### SATURDAY SEPTEMBER 22<sup>ND</sup>

#### **Experience an Evening in a Northern Michigan Logging Camp!**



**September 22<sup>nd</sup>  
7:00-9:00 pm**

Take a walk through time and visit the **Salling, Hanson & Company's** "Section Nine Camp" in the autumn of 1896 and meet some of the people who lived and worked in the logging camps in the Grayling area.

Please park in the Visitor Center parking lot and walk to the Visitor Center for a short orientation before heading down the lantern-lit Old Growth Trail to the Logging Museum.

For more information contact the Michigan Forest Visitor Center @ (989) 348-2537